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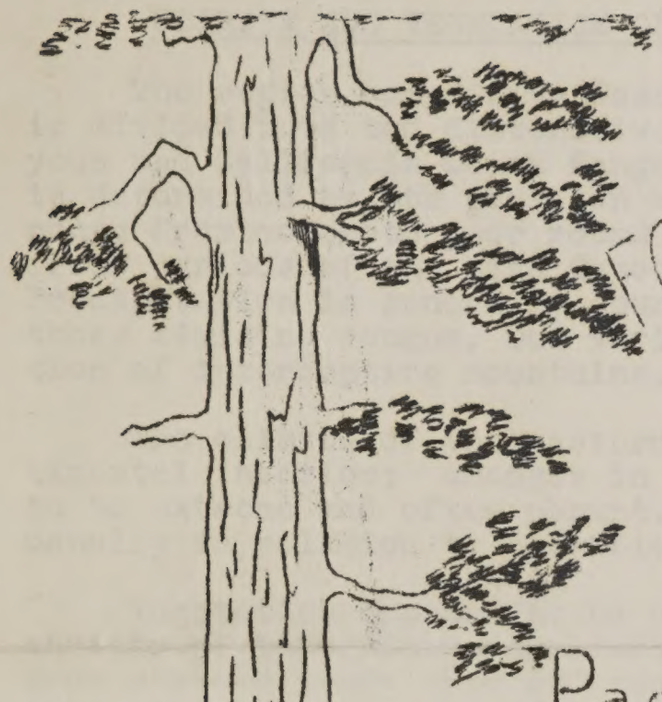

FOREST TREE SEEDS
1938

from the
Pacific Coast States, U.S.A.

JOHN B WOODS

Extraction Plant near Longview, Wash.
Office 1337 Conn Ave. N.W., Washington D.C.

Producer and Exporter of Tree Seeds from
Selected Forests - Certified as to
Species, Source and Quality

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CLIMATE AND VEGETATION OF THE NORTH PACIFIC COAST REGION

The region comprising Washington, Oregon and Northern California is divided into two distinctive sections by the Cascade Range, Siskiyous and California Coast Range. The climate of the western section is determined by its position with relation to the Pacific shore. The range from moderate year round temperatures at the coast to prolonged frost periods of the high Cascades is uniformly related to elevation. Precipitation is generally abundant everywhere west of the summit of these dividing ranges, but varies in intensity according to the location of intercepting mountains.

The climate of the eastern section is similar to that of the continental interior; changes in winter and summer temperatures tending to be extreme and often abrupt. Precipitation is light, and varies usually in relation to elevation.

Vegetation appears to be closely related to topography. Due to variety of topography many forest sites are represented, and frost free periods range from 300 days to 30 days or less, a truly remarkable variation in climatic conditions which has resulted in development of many climate races of trees of the same botanical genus and species.

Magnificent stands of Pseudotsuga taxifolia (viridis) cover most of the western portions of Washington and Oregon. Intermingled with the douglas fir are Thuja plicata (gigantea), Tsuga heterophylla and Abies grandis. In general the other Abies are found upon the higher slopes, above 500 meters. Along the coast is found Picea sitchensis, from California to Alaska. Sequoia sempervirens occurs along the coast of northern California; sequoia gigantea in the high Sierra.

Pinus murrayana presents a wide range, from sea level to 1800 meters. Pinus ponderosa ranges from slightly above sea level to 2000 meters or more. These elevations are stated as limits within which we collect seeds in 1938. All species not specifically mentioned herein are collected from the sources indicated in our price list, attached.

For your convenience in ordering seeds we have designated six source sites (A, E, I, O, U, Y), based upon what we believe to be the most comprehensive yet simplest summation of climatic factors, namely the FROST FREE PERIOD.

Source	A	Sea level to	100	meters	More than 210 days frostfree
"	E	100 to	300	"	180 to 210 days "
"	I	300 to	600	"	150 to 180 " "
"	O	600 to	900	"	110 to 150 " "
"	U	900 to	1500	"	60 to 110 " "
"	Y	1500 to	2000	"	less than 60 days "

In general these source sites will be found within the indicated altitude ranges.

CLIMATE AND VEGETATION OF THE NORTH PACIFIC COAST REGION

The region comprising Washington, Oregon and Northern California is divided into two distinctive sections by the Cascade Range, Siskiyous and California Coast Range. The climate of the western section is determined by its position with relation to the Pacific Ocean. The range from moderate year round temperatures at the coast to prolonged frost periods of the high Cascades is uniformly related to elevation. Precipitation is generally abundant everywhere west of the summit of these dividing ranges, but varies in intensity according to the location of intercepting mountains.

The climate of the eastern section is similar to that of the continental interior; changes in winter and summer temperatures tending to be extreme and often abrupt. Precipitation is light, and varies usually in relation to elevation.

Vegetation appears to be closely related to topography. Due to variety of topography many forest belts are represented, and frost free periods range from 300 days to 30 days or less, a truly remarkable variation in climatic conditions which has resulted in development of many climate races of trees or the same botanical genus and species.

Magnificent stands of Pseudotsuga taxifolia (viridis) cover most of the western portions of Washington and Oregon. Intermingled with the douglas fir are Thuja plicata (gigantea), Tsuga heterophylla and Abies grandis. In general the other Abies are found upon the higher slopes, above 500 meters. Along the coast is found Picea sitchensis, from California to Alaska. Sequoia sempervirens occurs along the coast of northern California; sequoia gigantea in the high Sierra.

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Source A	Sea level to 100 meters		More than 210 days frostfree
" E	100 to 300 "		180 to 210 days "
" I	300 to 600 "		150 to 180 " "
" O	600 to 900 "		110 to 150 " "
" U	900 to 1800 "		60 to 110 " "
" Y	1800 to 3000 "		less than 60 days "

In general these source sites will be found within the indicated altitude ranges.

SEED PRICE LIST, 1938

We offer from new crop (1938), tree seeds of the following species, certified as to kind and origin, collected by ourselves in forests selected for highest quality timber trees. If you will indicate the average length of frost free period of your planting site, we can supply seeds from similar climatic conditions.

1.	Abies amabalis	$4.00	Cascade Range, Washington
2.	" concolor	3.25	Southeastern Oregon
3.	" grandis	2.25	Western Oregon and Washington
4.	" lasiocarpa	3.75	Cascades, Washington
5.	" magnifica	4.50	Sierra, Northern California
6.	" nobilis	4.00	Cascades, Washington
7.	Alnus Oregona	1.75	Cowlitz County, Washington
8.	Cham. lawsoniana	4.00	Coos County, Oregon
9.	Libocedrus decurrens	3.75	Sierra, Northern California
10.	Picea pungens	4.00	Rockies, Colorado
11.	" englemanni	3.75	Rockies, British Columbia
12.	" sitchensis	3.75 and 4.50	Coast, Washington; Queen Charlotte Isles, B.C.
13.	Pinus lambertiana	2.25	Sierra, Northern California
14.	" monticola	4.50	Cascades, Washington
15.	" murrayana	4.50 and 4.00	Coast, Washington; Rockies, B.C.
16.	" ponderosa	2.00	Interior Oregon; Northern Calif.
17.	Pseudotsuga (viridis)	3.75 and 4.00	Southwestern Washington and Oregon
18.	" (caesia)	3.25	Interior British Columbia
19.	" (glauca)	2.75	Rockies, Idaho
20.	Thuja plicata	3.25	Southwestern Washington
21.	Tsuga heterophylla	5.50	Southwestern Washington
22.	Tsuga mertensiana	6.25	Sierra, Northern California
23.	Sequoia gigantea	8.00	Sierra, California
24.	" sempervirens	4.50	Coast Range, California

The above prices are quoted per pound, postage or freight prepaid. Terms: One-half cash with order, balance promptly on receipt of goods, unless special arrangements are made at the time of placing order.

We offer southern pines from States indicated, as follows:

Pinus caribaea	$3.75	Southern Georgia
" echinata	5.00	Northern Arkansas
" palustris	1.75	Southwestern Louisiana
" taeda	4.00	Georgia or Northern Louisiana

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4.	" lasiocarpa	3.75	Cascades, Washington
5.	" magnifica	4.50	Sierra, Northern California
6.	" nobilis	4.00	Cascades, Washington
7.	Alnus Oregona	1.75	Cowlitz County, Washington
8.	Cham. lawsoniana	4.00	Coos County, Oregon
9.	Libocedrus decurrens	3.75	Sierra, Northern California
10.	Picea pungens	4.00	Rockies, Colorado
11.	" engelmanni	3.75	Rockies, British Columbia
12.	" sitchensis	3.75	Ocean, Washington; Queen Charlotte Islands, B.C. and 4.50
13.	Pinus lambertiana	2.25	Sierra, Northern California
14.	" monticola	4.50	Cascades, Washington
15.	" murrayana	4.50	Ocean, Washington; Rockies, B.C. and 4.00
16.	" ponderosa	2.00	Interior Oregon; Northern Calif.
17.	Pseudotsuga (viridis)	3.75	Southwestern Washington and Oregon and 4.00
18.	" (conzia)	3.25	Interior British Columbia
19.	" (glauca)	2.75	Rockies, Idaho
20.	Thuja plicata	3.25	Southwestern Washington
21.	Tsuga heterophylla	3.50	Southwestern Washington
22.	Tsuga mertensiana	3.25	Sierra, Northern California
23.	Sequoia gigantea	3.00	Sierra, California
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" contorta	3.00	Northern Arkansas
" palustris	1.75	Southwestern Louisiana
" taeda	4.00	Georgia or Northern Louisiana